

## WHAT IS CLAIMED IS.

1. (canceled)
2. (canceled)
3. (canceled)
4. (currently amended) The method according to claim 15 [[1]], wherein;  
~~in the step of controlling~~, the feeding velocity of the second piece of wood is continuously recalculated ~~in a control unit~~.
5. (currently amended) The method according to claim 4, ~~further comprising wherein~~ the step of scanning in step b) is done continuously ~~monitoring a position of the pieces of wood, and~~ wherein the control unit recalculates the feeding velocity based on the continuously ~~monitored~~ scanned positions of the pieces of wood.
6. (currently amended) The method according to claim 15 [[1]], wherein a feeding velocity of the second piece of wood is controlled so as to minimize a distance between the first and second pieces of wood.
7. (currently amended) The method according to claim 15 [[1]], wherein, in the step a), a length of the pieces of wood is measured.
8. (currently amended) The method according to claim 7 [[1]], wherein, in the step a), defects of the pieces of wood are measured.
9. (currently amended) The method according to claim 8 [[1]], further comprising the step of saving the measured results.
10. (currently amended) The method according to claim 9, ~~further comprising the step of controlling the feeding velocity of the second piece of wood, wherein~~ the measured results that are saved are used for ~~controlling~~ recalculating and variably adjusting the feeding velocity according to step d).
11. (currently amended) The method according to claim 15 [[1]], wherein in the step b) the second pieces of wood are supplied without interruption to the sawing station.
12. (currently amended) The method according to claim 15 [[1]], further comprising the step of decoupling a drive for transporting the pieces of wood to the sawing station from a drive of the sawing station.

13. (canceled)

14. (canceled)

15. (new) A method for sawing pieces of wood in a sawing station, the method comprising the steps of:

a) measuring the pieces of wood in a measuring station;

b) sequentially transporting on a transport device the pieces of wood from the measuring station to a sawing station and scanning a position of each of the pieces of wood during transport on the transport device from the measuring station to the sawing station and sending input signals of the scanned position to a control unit;

c) cutting the pieces of wood in the sawing station into at least two sections based on measured results taken in the step a) and monitoring a saw position of a saw of the sawing station and sending input signals of the saw position to the control unit;

d) recalculating and variably adjusting, based on the input signals of step b) and step c), a feeding velocity of the pieces of wood during transport according to step b) such that sequentially transported pieces of wood have a minimal spacing relative to one another and a second piece of wood that trails immediately a first piece of wood being cut in the sawing station is already transported into the sawing station while the first piece of wood is still being cut.